

**AMENDMENTS TO THE SPECIFICATION:**

Please amend the paragraph beginning at page 14, line 24, as follows:

An FER adsorbent has pores with a short axis of 0.42 nm and a long axis of 0.54 nm (i.e., a pore size of 0.42×0.54 nm), and a straight channel with a short axis of 0.35 nm and a long axis of 0.48 nm (i.e., a pore size of 0.35×0.48 nm), forming a two dimensional pore structure.

Please amend the paragraph beginning on page 15, line 3, as follows:

An MOR adsorbent has pores with a short axis of 0.26 nm and a long axis of 0.57 nm (i.e., a pore size of 0.26×0.57 nm), and a straight channel with a short axis of 0.65 nm and a long axis of 0.70 nm (i.e., a pore size of 0.65×0.70 nm), forming a two dimensional pore structure.

Please amend the paragraph beginning on page 15, line 7, as follows:

An MFI adsorbent has a straight channel with a short axis of 0.53 nm and a long axis of 0.56 nm (i.e., a pore size of 0.53×0.56 nm), and a zigzag channel with a short axis of 0.51 nm and a long axis of 0.55 nm (i.e., a pore size of 0.51×0.55 nm), and these channels intertwine to form a three dimensional pore structure.